

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Jun Zheng  
Serial No.: 09/931,669  
Filed: August 16, 2001  
For: VCSEL with Heat-Spreading Layer

§ Group Art Unit: 2828  
§  
§ Examiner: Zahn, Jeffrey N.  
§  
§ Atty. Docket No.: PAT036US  
§  
§ Confirmation No.: 3331  
§

MAIL STOP ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL**  
**DATE OF DEPOSIT: April 7, 2004**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail on the date indicated above and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
N. STEPHAN KINSELLA

**TRANSMITTAL LETTER**

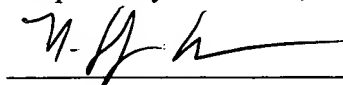
Enclosed for filing in the referenced case please find the following:

1. Part B - Issue Fee Transmittal (in duplicate).
2. Copy of Filing Receipt showing small entity status.
3. Drawing Transmittal Letter;
4. 1 Corrected Sheets of Formal Drawings; and
5. Return Postcard.

The Issue Fee transmittal indicates the Applicant is not a small entity and that a large entity issue fee of \$1330 is due. As seen on the attached copy of filing receipt, the applicant is a small entity and should be charged only \$665 for the issue fee. The Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-1705 in association with this filing.

Respectfully submitted,

Date: April 7, 2004

  
N. Stephan Kinsella, Esq.  
Registration No. 37,657  
APPLIED OPTOELECTRONICS, INC.  
13111 Jess Pirtle Boulevard  
Sugar Land, Texas 77478

Tel: 281-295-1800  
Tel: 281-295-1808 (direct)  
Fax: 281-295-1889



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Jun Zheng  
Serial No.: 09/931,669  
Filed: August 16, 2001  
For: VCSEL with Heat-Spreading Layer

§ Group Art Unit: 2828  
§  
§ Examiner: Zahn, Jeffrey N.  
§  
§ Atty. Docket No.: PAT036US  
§  
§ Confirmation No.: 3331  
§

Official Draftsman  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL**  
**DATE OF DEPOSIT: April 7, 2004**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail on the date indicated above and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
N. STEPHAN KINSELLA

Dear Sir:

**DRAWING TRANSMITTAL LETTER**

Enclosed herewith please find:


(X) 1 sheet of formal drawing(s) to replace Fig. 2. Please substitute these replacement formal drawing(s) for the formal drawing(s) originally filed.

Formal Fig. 2 previously submitted contained an inadvertent error in which Active Region 214 was not centered beneath Top DBR 215. In the Replacement Sheet, Active Region 214 is centered beneath Top DBR 215, as shown in the original informal drawings. The Examiner's approval of the entry of these drawings is respectfully requested. No new matter has been added.

Respectfully submitted,

Date: April 7, 2004

Tel: 281-295-1800  
Tel: 281-295-1808 (direct)  
Fax: 281-295-1889

  
N. Stephan Kinsella, Esq.  
Registration No. 37,657  
APPLIED OPTOELECTRONICS, INC.  
13111 Jess Pirtle Boulevard  
Sugar Land, Texas 77478